قائمة مقررات درجة دكتوراه الفلسفة فى العلوم الصيدلية
قسم علم الأدوية والسموم

١. مقررات تخصصية: **1- Specialized : (18 cr. h)**
Courses

First Semester (9 cr. h)

No.	Course code	Courses	Credit hours	
			L	P
1	0602801	Advanced Pharmacotherapeutics II العلاج الدوائي المتقدم II	3	--
2	0602802	Seminar I بحث القائي I	3	--
3		Elective Course مقرر اختياري	3	--
Total			**9**	

Second Semester (9 cr. h)

No.	Course code	Courses	Credit hours	
			L	P
4	0602803	Natural and Chemical Toxins السموم الكيميائية والطبيعية	3	--
5	0602804	Seminar II بحث القائي II	3	--
6		Elective Course مقرر اختياري	3	--
Total			**9**	

Elective Courses

No.	Course code	Courses	Credit hours	
			L	P
1	0608802	Biomarkers of Diseases الدلالات الحيوية للأمراض	3	--
2	0602805	Selected Topics in Pathology موضوعات مختارة في علم الأمراض	3	--
3	0602806	Selected Topics in Histology موضوعات مختارة في علم الأنسجة	3	--
4	0609801	Advanced Pharmacokinetics Modeling and Simulation مقرر متقدم في حركية الدواء ونمذجتها ومحاكاتها	3	--

وصف مقررات درجة دكتوراه الفلسفة في العلوم الصيدلية
قسم علم الأدوية والسموم

First Semester (9 cr. h)

Course Name	Credit hours		Code No.
	L	P	
Advanced Pharmacotherapeutics I I **العلاج الدوائي المتقدم II**	3	--	0602801
Description: This course will discuss the epidemiology, etiology, pathophysiology, signs, symptoms and the interpretation of the clinical biochemical data leading to the diagnosis of Endocrine, musculoskeletal, psychiatric and neurological disorders, correlate it with pharmaco- therapeutics, prescribing and utilizing structured evidence-based medicine in providing appropriate treatment guidelines, formulate pharmaceutical care plans and monitor patients on drug therapies. International Medical University, Malaysia • https://studymalaysia.com/what/course/imu/0006208			

Second Semester (9 cr. h)

Course Name	Credit hours		Credit hours
	L	P	
Natural and Chemical Toxins **السموم الكيميائية والطبيعية**	3	--	0602803
Description: This course is designed to give students a basic knowledge of pathology and the nature of disease, cell injury, cell death and cell aging, acute and chronic inflammation, tissue repair, hypersensitivity reactions, and neoplasia, in addition to hemodynamic disorders, genetic disorders, diseases of immunity, and diseases of major organ systems (heart, lung, gastrointestinal tract, liver, and kidney). This will enable students to gain a greater understanding of underlying disease processes. (Bench Mark: University of Bradford -UK) https://www.postgraduatesearch.com/university-of bradford/57141214/postgraduate-course.htm			

Elective Courses

Course Name	Credit hours		Code No.
	L	P	
Selected Topics in Pathology **موضوعات مختارة في علم الأمراض**	3	--	0602805
Description: This course is designed to give students a basic knowledge of pathology and the nature of disease, cell injury, cell death and cell aging, acute and chronic inflammation, tissue repair, hypersensitivity reactions, and neoplasia, in addition to hemodynamic disorders, genetic disorders, diseases of immunity, and diseases of major organ systems (heart, lung, gastrointestinal tract, liver, and kidney). This will enable students to gain a greater understanding of underlying disease processes. (Bench Mark: University of Bradford -UK) • https://www.postgraduatesearch.com/university-of-bradford/57141214/postgraduate-course.htm			

Course Name	Credit hours		Code No.
	L	P	
Selected Topics in Histology **موضوعات مختارة في علم الأنسجة**	3	--	0602806
Description: This course presents an overview of the microscopical features of human body tissues and organs with a particular emphasis on the heart, lung, liver, kidney, and brain. Handling of histological samples, fixation, processing, sectioning, differential stains and immunostaining techniques used for visualization of different cell types and cellular components as well as molecular pathology techniques such as in situ hybridization (ISH) staining protocols and analysis of digital images are discussed. (Bench Mark: University of Manshester -UK) • https://www.bmh.manchester.ac.uk/research/facilities/histology/			